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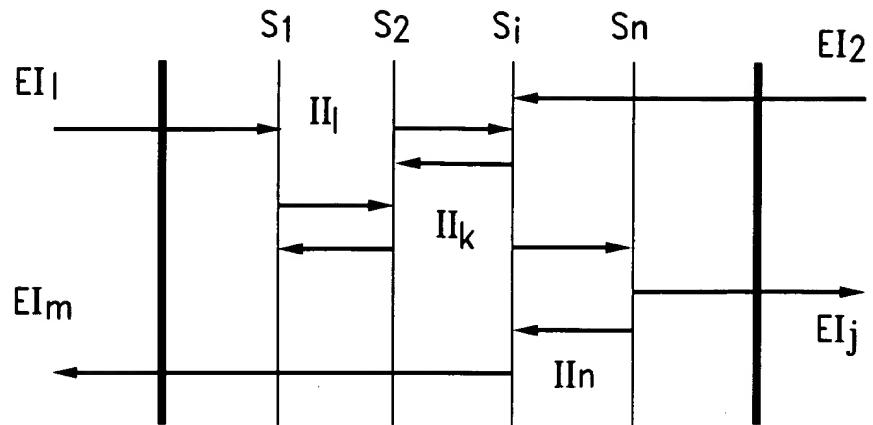
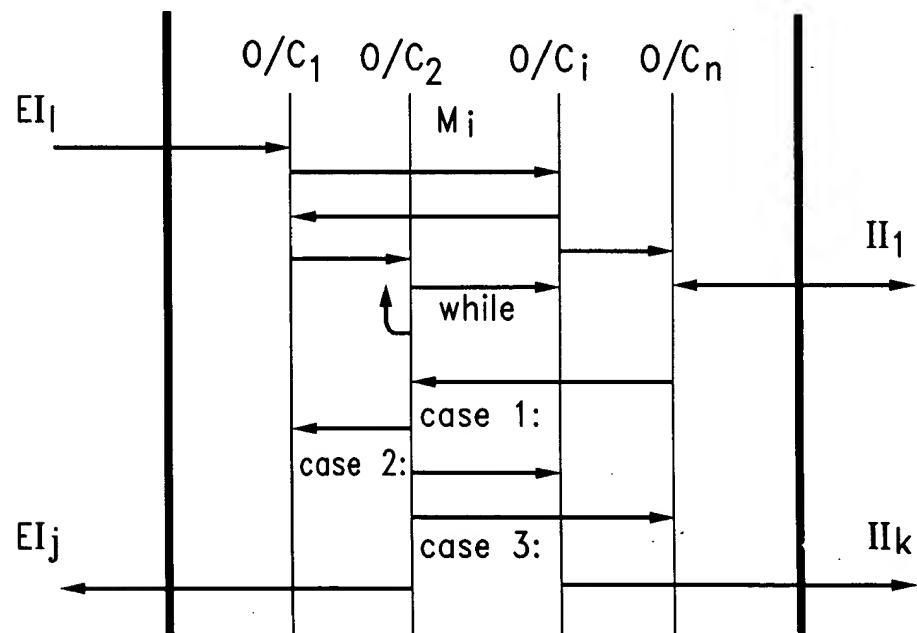
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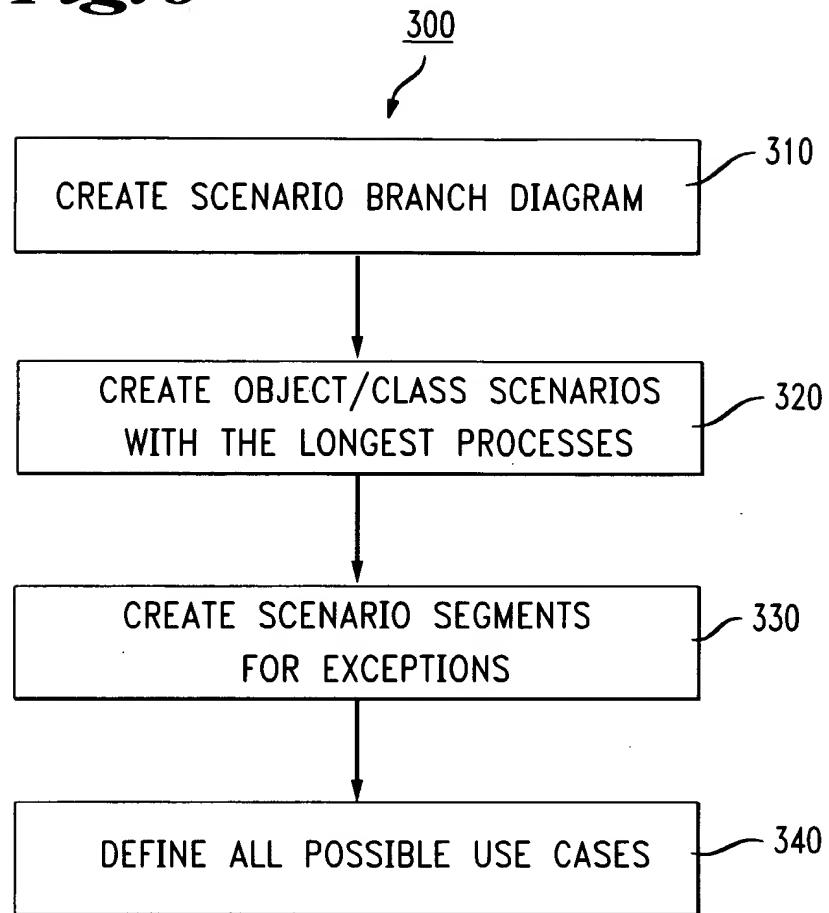
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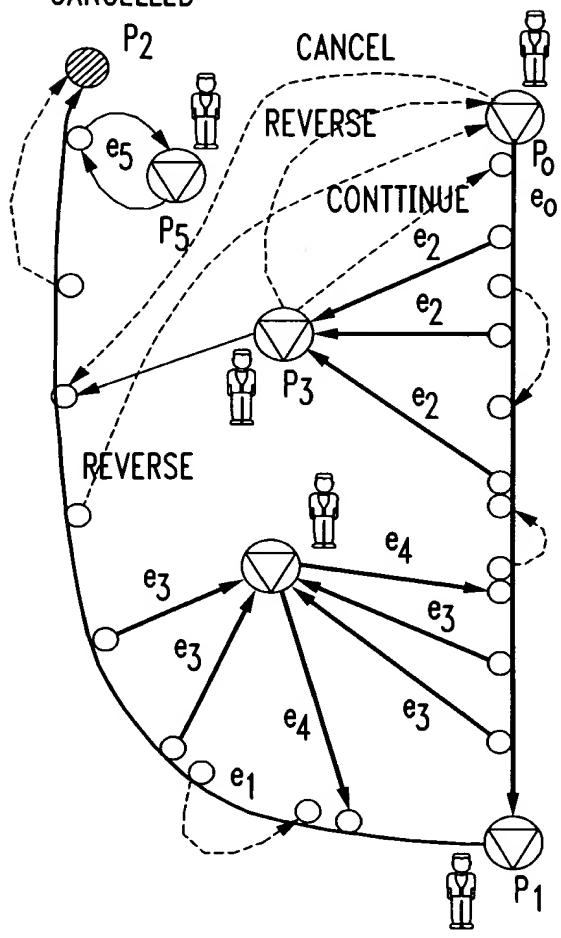
Fig. 1PRIOR ART**Fig. 2**PRIOR ART

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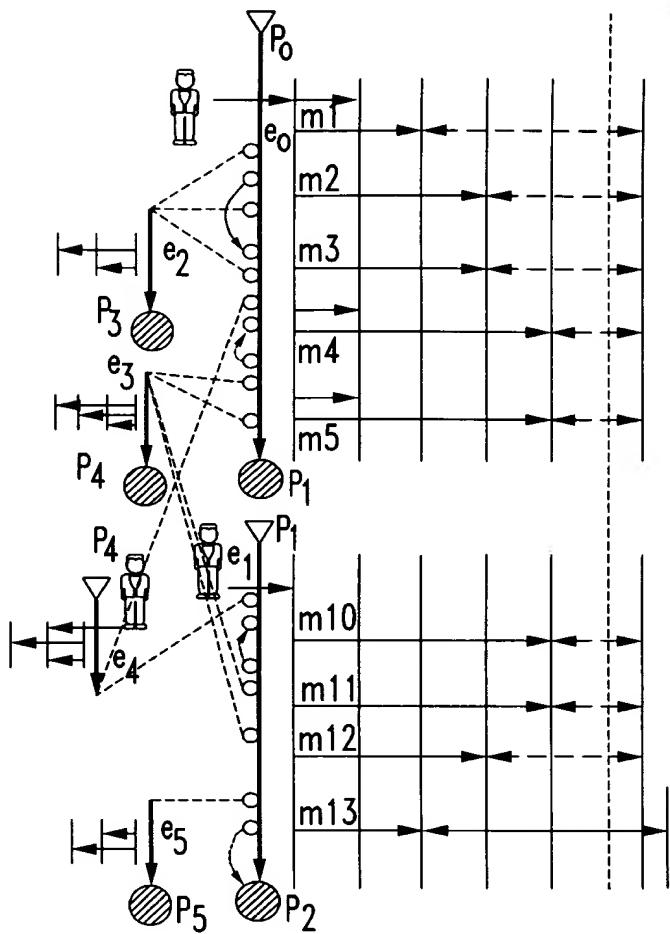
Fig. 3

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Fig. 4

SCENARIO BRANCH DIAGRAM
CANCELLED

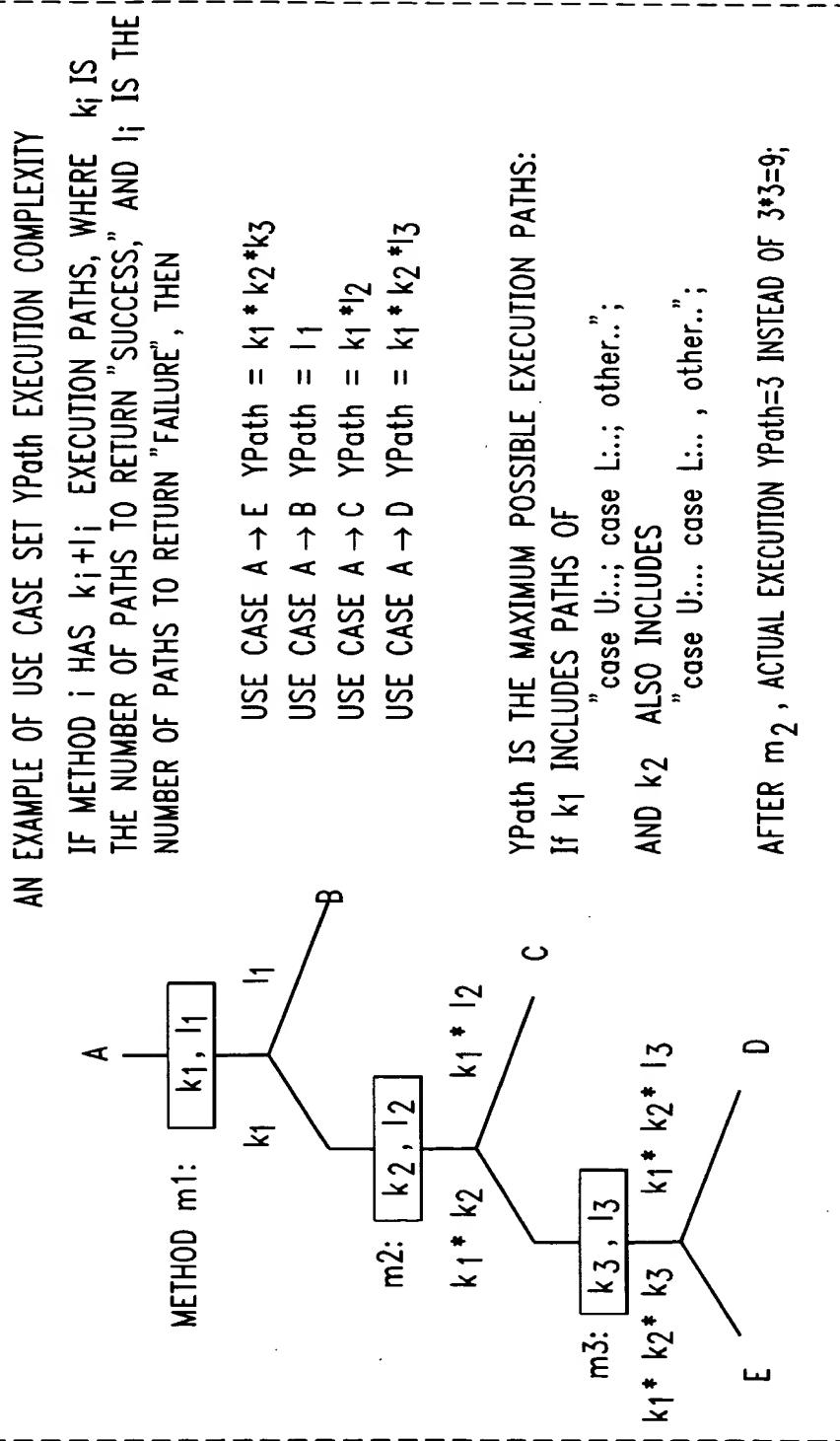
OBJECT INTERACTION DIAGRAM



- ▽ START NODE
- INTERMEDIATE NODE
- END NODE
- START & END NODE
- A SCENARIO SEGMENT
- - - A PATH WITH NO SCENARIO

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Fig. 5

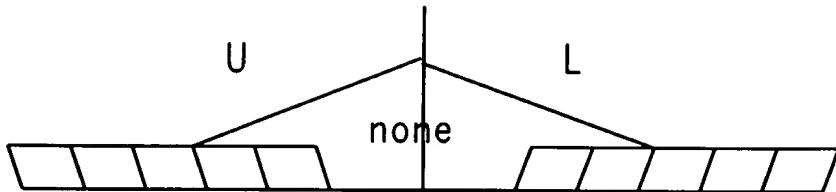


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Table basic semantic statement is:			
Field Name	Source: U	Source: L	Comment
r0	1	5	if ((source=U)&(r0=1)&(r1=2)&(r2=3)&(r3=4)&(r4=5)) {
r1	2	6	resultCode=B; actionText=C;
r2	3	7	if (a>b) then... }
r3	4	8	if ((source=L)&(r0=5)&(r1=6)&(r2=7)&(r3=8)&(r4=9)) {
r4	5	9	resultCode=B; actionText=C;
			}
			resultCode=B; actionText=C;

Fig. 6

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Fig. 7

The first 5 cases are: if (ri<>...)..
 6 th.: if ((r0=1)&(r1=2)&(r2=3)&(r3=4)&(r4=5))
 Path=cyclomatic complexity in this table

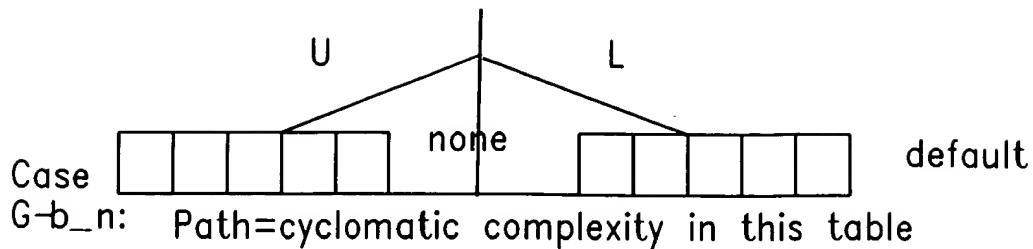
Fig. 8

Field Name	r0	r1	r2	r3	r4	ResultCode	actionCode
Source: U	1	2	3	4	5	B	C
Source: L	5	6	7	8	9	B	C
Comment			if a.				

Fig. 9

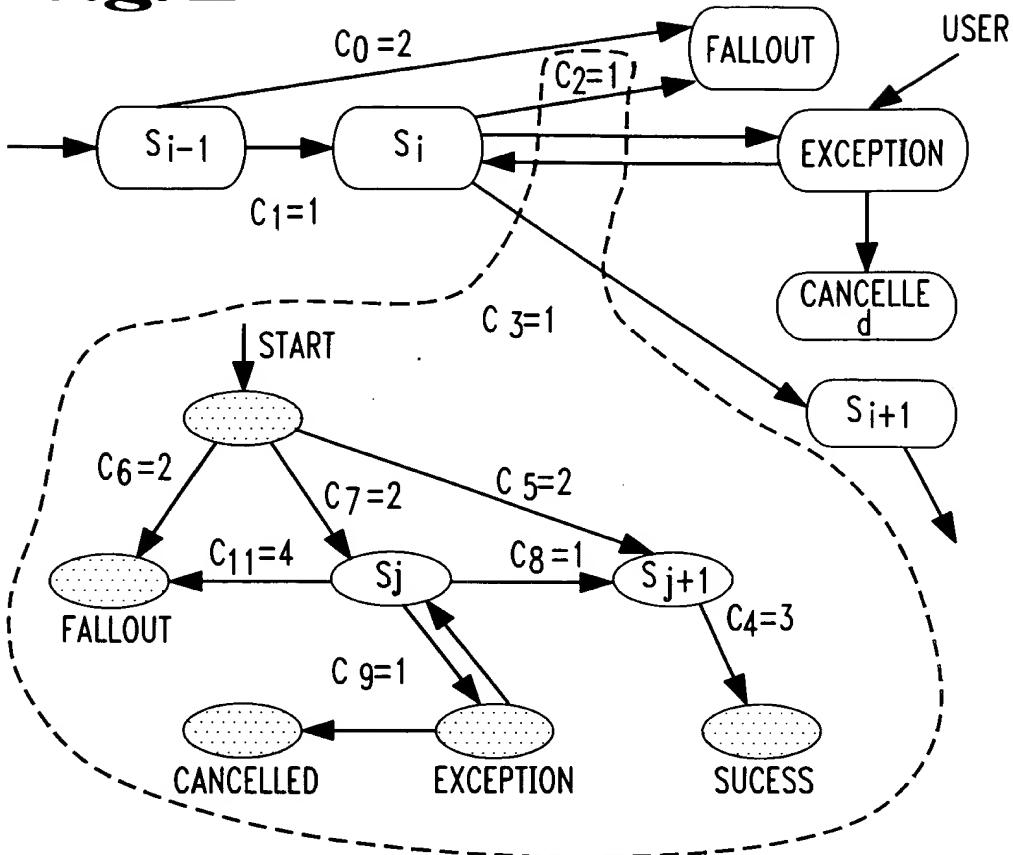
Result Code	WC action	Source	Mail-address	Action Text
G_b_n	Full_S	- <u>U</u> - <u>L</u> -	<u>m1</u> <u>m2</u> -	"..."
G_dup	No Action	- <u>U</u> - <u>L</u> -	<u>m1</u> <u>m2</u> -	" <u>duplicate</u> " " "
G-dup_0	Fallout	- <u>U</u> - <u>L</u> -	<u>m1</u> <u>m2</u> -	" <u>duplicate</u> " "Fallout"
S_dup	Action Add .. C	- <u>U</u> - <u>L</u> -	<u>m1</u> <u>m2</u> -	Fallout
S_dup_0	Fallout	- <u>U</u> - <u>L</u> -	- <u>m1</u> <u>m2</u> -	Fallout

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Fig. 10**Fig. 11**

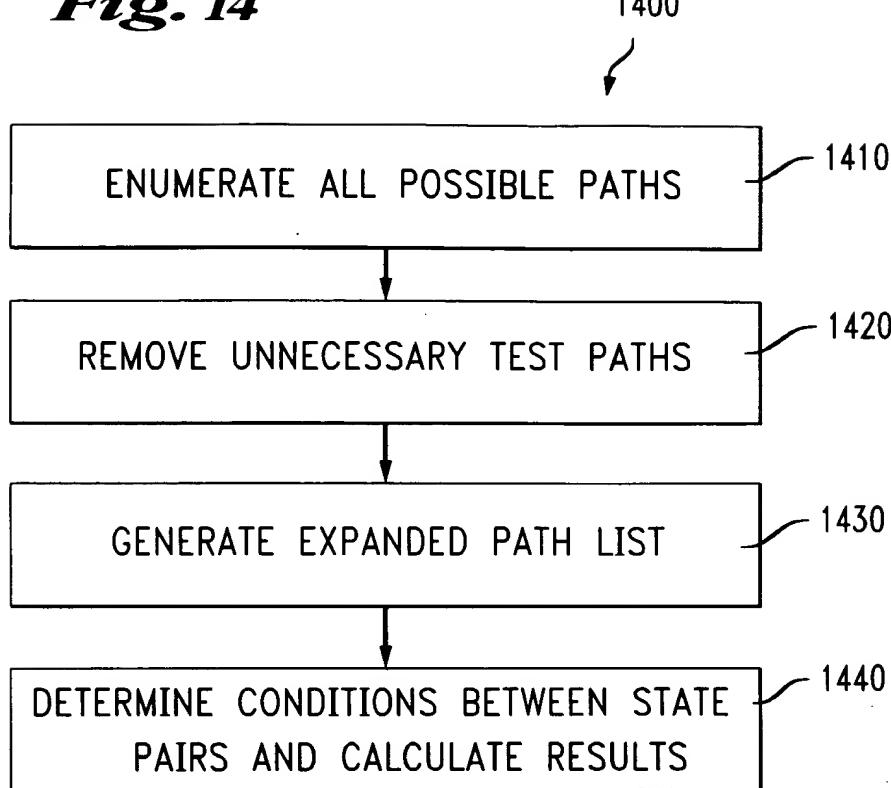
Source	Result-Code	Mail-Address	Action-Text	WC-Action
U	G-h-n	M11	"..."	Full-S
	G_dup	M12	"duplicate"	
	G_dup_0	M13		
	S_dep	M14		
	S_dep_0q	M15		
L	G-h-n	M21		
	G_dup	M22		
	G_dup_0	M23		
	S_dep	M24		
	S_dep_0q	M25		

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Fig. 12**Fig. 13**

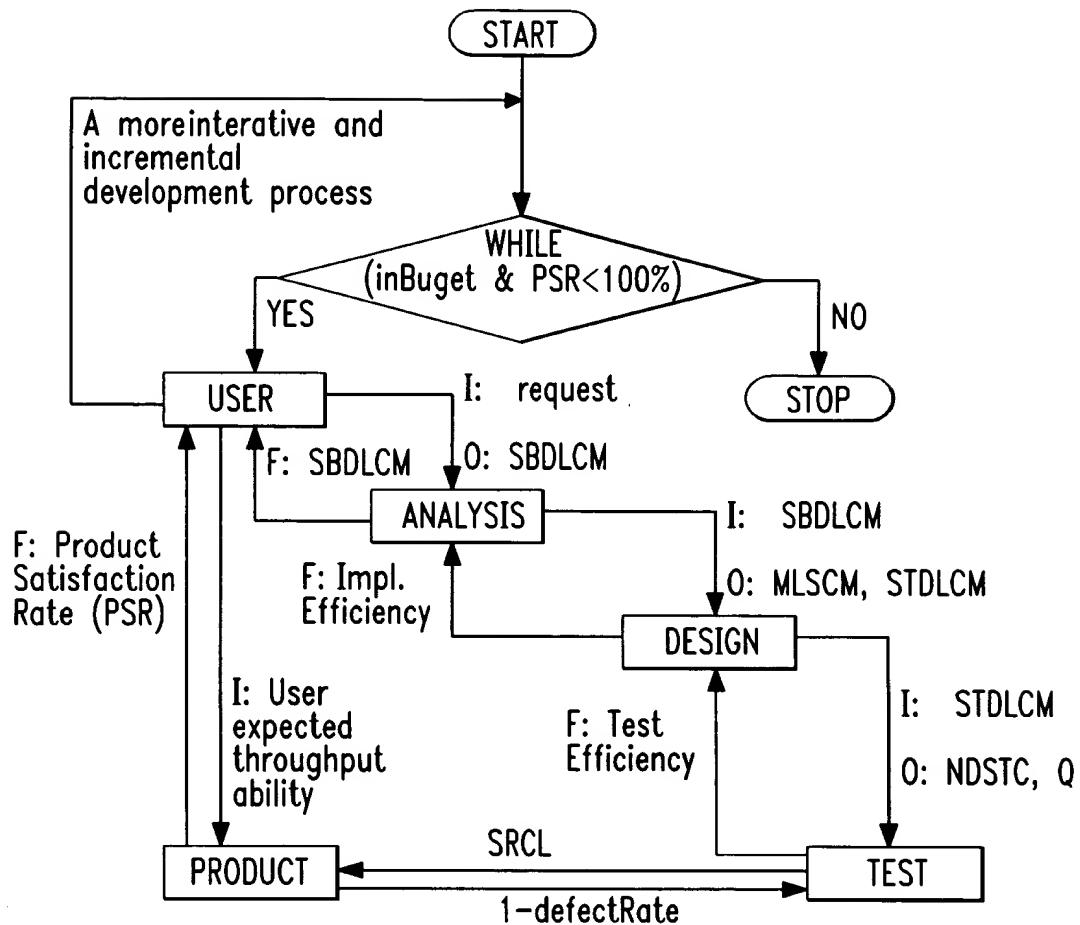
s_1	s_2	S_{i+1}
working	working	(no transition)
	fallout1	Fallout
	fallout2	Fallout
	succeed	(no transition)
fallout	working	Fallout
	fallout1	Fallout
	fallout2	Fallout
	succeed	Fallout
Succeed	working	(no transition)
	fallout1	Fallout
	fallout2	Fallout
	succeed	Succeed

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Fig. 14**Fig. 15**

Data Type	In-Weight
Short, long, float, double, char, bool	0.5
String	1.0
Enum, union, sequence	1.5
Any	4.0
Struct, object, exception	Sum of in- weights of subfields
Array, vector, linklist	1.0 + in-weight of element type

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Fig. 16

I: indicates input to the next stage;

O: indicates output of the stage;

F: indicates feedback to the previous stage.

SRCL: System release confidence level metric, presented in the attachment.